

EPIX360™

OPS MANUAL

Version 122121

emist®

Made for life. Built to work.

A MasVida Health Company



Thank you for choosing the EMist® EPIX360™ TruElectrostatic™ Sprayer.

We've created an easy-to-use system that combines advanced liquid application technologies with improved mobility. The result is superior application and enhanced disinfection, as well as a convenient convertible design for users.

We recommend you read through this entire instruction manual before beginning.

Included are assembly, operating, and safety instructions. Following these manufacturer guidelines will help the system perform at peak effectiveness, extend the life of the product, and ensure operator safety.

Questions?

Each component has been inspected prior to your purchase. However, in the event that there is a problem, please contact our technical support center at Emist.com.



SERVICES IN ENGLISH

In the event of a conflict between different translations of this document, the English translation shall prevail. In addition, certain services and documents provided by EMist may only be available in English.

ENGLISH

- Original Version -



For video explanation,
scan code and watch
the video

SAFETY NOTICES

This manual contains information that is important for you to know and understand before operating the EMist Electrostatic Sprayer. This information relates to protecting your safety and ensures product reliability and performance. **It is the owner's responsibility to ensure that all who operate this equipment read this manual.**

Warnings

Please read the manual carefully and pay special attention to the symbols and warning labels. Warning labels indicate a potentially hazardous situation which, if not avoided, could result in serious injury or death.

WARNINGS

- Read and fully understand the EMist Electrostatic Sprayer Operators Manual prior to using the electrostatic sprayer.
- EMist **Tru**Electrostatic Sprayers should never be used in a hazardous environment.
- EMist Electrostatic Sprayers should never be used in an area containing volatile chemicals. Nor should it be used in any area containing volatile or explosive levels of gas, vapor or particulates.
- EMist Electrostatic Sprayers should never be used by untrained personnel.

WARNINGS

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure they do not play with the sprayer.

WARNINGS

- The system comes with (2) 14.4V lithium ion batteries. Only operate the system with batteries provided for the system.
- To install, slide the battery pack onto the bottom of the EPIX360™ handle until the battery pack is firmly seated.
- To remove, grasp battery pack firmly, depress battery pack button down, and slide out from the EPIX360™ USB power source.
- Do not short-circuit the battery supply terminals.
- Remove the battery from the unit when the unit is not in use.

WARNINGS

PRESSURIZED EQUIPMENT HAZARD

Liquid from equipment that leaks or ruptures from a component can splash in the eyes or on skin, causing serious injury. In order help prevent a leak or rupture:



- Check equipment daily. Replace worn or damaged parts immediately.

WARNINGS

PLASTIC PARTS CLEANING SOLVENT HAZARD

Many solvents can degrade plastic parts and cause them to fail, which can lead to serious injury or property damage. In order to help prevent against degradation:



- Use only water-based solvents to clean equipment or parts.

WARNINGS

FIRE, EXPLOSION AND ELECTRIC SHOCK HAZARD

Flammable fumes, such as solvent and paint fumes, in a work area can ignite or explode. To help prevent fire, explosion and electric shock:



- Electrostatic equipment must be used only by trained, qualified personnel who understand the requirements of this manual.
- Stop operation immediately if static sparking occurs or you feel a shock. Do not use equipment until you identify and correct the problem.
- Use and clean equipment only in well ventilated area.
- Never spray a flammable chemical (with a flashpoint less than 60°C).
- Do not turn lights on or off when flammable fumes are present.
- Keep spray area free of debris, including solvents, rags, gasoline or any flammable chemicals.
- **CAUTION, DO NOT INSERT ANY FOREIGN OBJECT IN THE NOZZLE OF THE SPRAYER TO AVOID DAMAGING THE EQUIPMENT OR STATIC DISCHARGE.**
- Disconnect electrostatic equipment from its power source when servicing or replacing parts.

WARNINGS

PERSONAL PROTECTIVE EQUIPMENT

Wear appropriate protective equipment to help prevent serious injury.



- Follow the chemical manufacturer's recommended directions of use found on product label including but not limited to wearing appropriate protective equipment to help prevent serious injury.

WARNINGS

EQUIPMENT MISUSE HAZARD

Misuse can cause serious injury or death.



- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Use only water soluble fluids that are compatible with equipment wetted parts.
- Check equipment daily. Repair or replace worn or damaged parts immediately with genuine replacement parts from trusted EMist partners only.
- Do not alter or modify equipment. Alterations or modifications void your EMist warranty, and create safety hazards.

WARNINGS

CHEMICAL USE HAZARD

Each chemical, such as a disinfectant, has a unique set of hazards and needs to be handled properly to ensure worker safety.

- Be aware of first aid procedures related to the product in use.
- It is a violation of Federal law to use a chemical in a manner inconsistent with its label.
- For use with water-soluble, non-flammable, non-combustible and non-volatile liquids only. Never spray a flammable chemical (flash point less than 60°C).
- Ensure the area being sprayed has proper ventilation.
- Store all chemicals in original containers in a cool, dry place, away from heat and open flames.
- Do not reuse or refill a chemical container.
- Follow the chemical manufacturer's recommended directions of use found on product label.

WARNINGS



SAFETY WARNING!

DO NOT USE THE ELECTROSTATIC APPLICATION SYSTEM IF YOU HAVE A PACEMAKER OR AN IMPLANTABLE CARDIOVERTER DEFIBRILLATOR (ICD).

WARNINGS



STATE OF CALIFORNIA - PROPOSITION 65 WARNING

- This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

1. Electrostatic Sprayer: a cordless, handheld electrostatic sprayer that is powerful, durable and provides breakthrough disinfectant application performance.

2. Tank: Interchangeable liquid tank includes liner with cap washer, cap with strain filter and tank cap cover. The tank was specifically designed to fit securely onto the sprayer and is easy to use. The tank has a tab along the threads to keep a user from over rotating the tank cap. Please Note: a small amount of water may reside in the tank when first used as a result of quality control testing. When switching tank liners, also move the removable rubber liner ring to the new liner to be used. This ring ensures proper fit and seal of tank cap assembly to the tank.

3. Liquid Tank Liners: The purpose of our disposable tank liners is to provide all directional spraying and the ability to use all the disinfectant within the tank. Our tank liners are manufactured to be used up to 100 hours or 3 months before an actual liner must be replaced.

4. Tank Cap Assembly: The tank cap assembly comes with the cap, a check valve, O-ring and strain filter. This cap is designed to fit securely onto the tank. The cap has a tab in order to stop over rotation onto the tank.

5. Tank Cap Cover: The cap cover is the main piece that locks the tank in place on the sprayer along with the clip on the back of the unit. This allows for all directional spraying, including upside down, when needed.

6. Rechargeable Battery: The system comes with 2 14.4v lithium ion batteries. Each has a 3-bar green indicator light to determine charge. If the battery shows no bars, place on the charger for recharging.

7. Battery Charger: The battery charger comes with 110-120v standard plug. It takes approximately 45 minutes to recharge a battery. International charger cables are available for purchase upon request.



Storage Case

Tip: Charge battery first

1. Plug charger cord into wall outlet.
2. Install battery into charger.
3. Reference power indicator (3 bars = full charge)

Step 1: Install Battery into Charger.

- To install, slide battery pack into the charger until the battery pack is firmly seated. It will click into the slot.- Note: Some chargers might require more force on first seat.
- Once battery is on the charger, a flashing red light indicates the battery is charging.
- Once the battery is fully charged, a solid red light will indicate the battery is fully charged.
 - Tip: A fast blinking light on the charger indicates battery pack is not seated correctly.
- To remove battery from charger, grasp battery pack firmly, depress battery pack button down, and slide out from the charger.
- To check charge, press down on the battery indicator light, the light will illuminate 3 green bars when battery is fully charged.

Step 2: Install Battery into Unit:

- Slide the battery pack onto the base of the unit until firmly seated and snaps into place.

Step 3: Liquid Tank Removal:

- To remove the 8oz tank from the spray system hold the tank cap cover and the tank while gently pulling up the front of the tank from the spray system to remove it from the tank lock. Then pull up on the back to remove it from the tank back clip.
- This removes the whole tank assembly from the sprayer.

Step 4: Removing the Tank Cap Cover & Cap.

- With the tank removed from the sprayer and holding it vertically, pull the tank cap cover straight up. No twisting is required.
- To remove the tank cap, gently turn the cap counterclockwise until it is fully removed from the tank.

Step 5: Installing the Tank Liner:

Tip: When you first receive your sprayer bundle, a tank liner is already installed in the tank for you. It includes the cap washer which is required for the liner to sit correctly into the tank itself. The liner is manufactured to last 100 spray hours or up to 3 months.

- When replacing your tank liner, first remove the used liner from the tank with the black cap washer by firmly holding the tank.
- Once removed from the tank, remove the liner from the black cap washer by holding the liner firmly in one hand, and pushing upwards on the washer to remove it from the liner threads.
- Get new liner, push the black cap washer on by pushing it down around the spout of the liner. Push the cap washer until the top of the liner spout and washer are flush with each other.

- Once the liner is installed with cap washer, fold the liner in an accordion style and slide it into the tank until the cap washer is flush with the tank opening.

Tip: When a new liner is first installed it requires air to be blown into it for the liner to fully expand. By doing this the liner becomes fully inflated for all of fluid to fill the tank.

CAUTION: If a tank liner is not used, liquid will leak from the small holes in the bottom of the tank.

These holes allow for air to escape through the tank itself to collapse the liner. Collapsing the liner is what makes the system capable of using all liquid solutions and provide all directional spraying.

Warning: Do not plug the hole in the bottom of the tank to keep from using the tank liner. This is considered a modification to the product and will void the warranty if done. There is high potential for burning up the pump if this is done.

- Once this is completed, pour the diluted or ready to use solution into the tank.

Step 6: Installing the Tank Cap and Cover:

- To install the tank cap, gently turn clockwise against the threads until the cap no longer turns.
- Each tank cap has a stopper along the tank that prevents overturning.
- To install the tank cap cover, simply line the opening of the cover with the nose of the tank cap.

Step 7: Installing the Liquid Tank:

- To install the tank onto the sprayer, align the tank nozzle to the port on the body of the sprayer and gently press in until you hear a click. This is the tank lock locking into place along with the tank back clip. This is what holds the overall tank in place.

Step 8: Depress the Trigger Button to Begin Spraying:

- Once the system has been filled with liquid solution, you can begin spraying.
- Depress the trigger button located on the front of the sprayer handle. Hold it down for the entire spray time required for surface treatment.
- The red indicator light at the back of the system indicates power on and the high voltage power supply is charging the liquid droplets and recognizes power to the system.

Tip: When first starting to spray, the system needs to be primed with liquid, hold down the trigger button for 10 to 15 seconds or until the sprayer produces the mist. This needs to be done every time a tank is refilled or the liner has been replaced.



A. PREPARING THE SPRAY AREA:

1. Make sure food and drinks are removed or covered before application.
2. Spotless, clean interiors require no prep work prior to application.
3. Loose debris should be swept from floors and other surfaces prior to application.
4. Inspect the area for mechanical barriers such as: magazines on table tops, chairs touching each other, a table or a wall. The intended target surface area for application will need to be accessible.
5. Please cover and remove valuables. Electronics, furniture, paper or other common necessities do not need to be removed from the area.
6. Once the area has been cleaned, application can begin.
7. This system is NOT a mechanical cleaner.

B. SPRAY APPLICATION PROCESS:

1. EMist recommends the use of disinfecting products on EPA's Disinfection List N that are approved for electrostatic application.
2. Begin at the farthest point from the doorway and work back toward the doorway so you can step out when application is complete.
3. Aim applicator **24"-36" (optimal distance)** from the surface target area and begin with a smooth figure "S" movement aiming below, at, and above the surface target area while walking at an average pace (continuously moving).
4. Make sure you are working in a methodical "S" pattern and let your passes overlap when moving to the next surface target area.
5. Allow treated area to sit for contact time as recommended by the chemical manufacturer's label before re-entry into the area.

TIP: IF THE APPLICATOR BECOMES WET OR BEGINS TO DRIP, YOU ARE MOVING TOO SLOWLY OVER THE SURFACE TARGET AREA AND NEED TO SPEED UP THE APPLICATION PROCESS. DO NOT OVER-SATURATE THE SURFACE. IF YOU SEE RUNS OR PUDDLES YOU ARE APPLYING TOO MUCH CHEMICAL. THE GOAL IS TO ACHIEVE EVEN COVERAGE OVER THE TARGET SURFACE AREA.



C. FLUID MANAGEMENT:

The system is designed for single or multiple application environments. Please use the multiple tank applications carefully by marking tanks with your chemical identifiers when necessary.

Application Tips:

1. While depressing the trigger button, move the applicator in an "S" pattern from bottom to the top of the surface target area in a continuous motion.
2. Stay in motion, electrostatically charged droplets will accumulate in higher levels at the tip of the applicator if you move too slowly while the device is in use.
3. Do not over apply.
4. In between chemical changes, press the trigger while pointing to the floor or other safe target area 1-2 minutes to clear the remaining chemical in the system.

D. BATTERY MANAGEMENT:

Tips:

1. Fully charge each battery before use.
2. Keep battery, charger and all connectors clean and dry at all times.
3. Insert with the battery release button facing upwards into the battery port.
4. Do not expose batteries, chargers or connectors to liquid.
5. When not in use, remove the battery from the unit.

FLUSHING THE ELECTROSTATIC SPRAYER

IT IS IMPORTANT TO FLUSH THE APPLICATION SYSTEM AT LEAST ONCE EVERY 24 HOURS WITH CLEAN WATER AND BETWEEN EACH USE. DO NOT STORE CHEMICALS IN THE RESERVOIR WHILE THE SYSTEM IS NOT IN USE FOR GREATER THAN A 24 HOUR PERIOD.

The sprayer is designed to require minimal maintenance and cleaning.

- Flush the system at least once a day by spraying at least 4oz (1/2 of a tank) of clean water through the sprayer for at least 1-2 minutes.
- Do this by filling the tank and liner with 4oz (1/2 of a tank) of water and continuously depressing the trigger button as this will flush the entire system.
- Some chemicals are harsher or more volatile than others. Because corrosion caused by chemicals is not covered under Manufacturer's limited warranty, it is imperative that you properly flush the system as directed herein. Note that the use of some chemicals may require more frequent flushing of the system based on the chemicals corrosive nature. Signs of failing to properly flush the system include clogged nozzle, hardened or calcified hoses or lines, deterioration of the plastics such as the manifold, and/or clogged filters.
- After flushing the system, inspect for any debris or damage from the days use.

CHANGING CHEMICALS:

IT'S IMPORTANT TO FLUSH THE SYSTEM IN BETWEEN USES OR WHEN SWITCHING CHEMICALS TO PREVENT RESIDUAL BUILD UP OR CORROSION AND TO AVOID MIXING CHEMICALS.

- Fill the tank and liner with 4oz (1/2 of a tank) of water.
- Spray for at least 1-2 minutes to flush the previous chemistry from the system.
- Pour the new solution into the recently flushed tank to begin next surface treatment.
- Make sure the system is primed with the new solution by depressing the trigger button continuously for about 10 - 15 seconds.

BATTERY REMOVAL

- Make sure the system is off.
- Remove the battery from the sprayer by grasping the battery pack firmly, depress the battery pack button down and slide out from the bottom of the unit.
- Place battery into charger to fully charge for next usage. Each battery takes approximately 45 minutes to fully charge.
- Store batteries and chargers in a cool, dry place.

STORAGE

Empty fluid or run until empty

- Insert at least 4 oz of water into the liquid tank.
- Run the sprayer for at least 1-2 minutes to flush active chemicals from the system.
- Remove batteries and re-charge by placing on the charger.
- Wipe down exterior with water or alcohol to remove dirt and soil.
- Use the battery power indicator to determine the battery's state of charge (3 bars = full charge).
- Remove the tank and battery from the system when not in use. This keeps the unit from leaking or getting any fluid into the battery compartment or the contacts.

CAUTION: DO NOT STORE THE SPRAYER IN AN AREA THAT MAY FREEZE (TO AVOID DAMAGE FROM LIQUID REMAINING IN THE SYSTEM AND LINES). THIS WILL VOID THE WARRANTY. DO NOT STORE THE UNIT IN EXTREME HEAT, AS IT DOES HAVE CIRCUIT BOARDS AND ELECTRICAL COMPONENTS. THIS WILL VOID THE WARRANTY.

TO PREVENT CROSS CONTAMINATION OF CHEMICALS, YOU MUST PERFORM A FLUSH ANY TIME YOU CHANGE THE TYPE OF CHEMICALS BEING USED.

INDICATIONS & REMEDIES

PLEASE SEE BELOW FOR EASY INSTRUCTIONS FOR ADDRESSING ISSUES THAT MAY ARISE WHILE USING THE EPIX360™

Issue	Reason	Troubleshooting
No Power to the System (Battery)	<ul style="list-style-type: none"> Battery Not Installed Correctly Battery Not Charged Battery Does Not Slide Easily into the slot (Do not try to slam the battery to seat) 	Verify battery connector issue by trying the 2nd battery to determine if it will not seat correctly. if not, Battery is mechanically obstructed
System operates, but red indicator light not illuminating	<ul style="list-style-type: none"> High Voltage power supply LED is broken High voltage power supply is not working 	Call Customer Care
No Mist or Inadequate Mist	<ul style="list-style-type: none"> Tank Empty Tank Not Seated Correctly System Lines not primed Battery Not fully charged Nozzle Clogged Release check valve missing from port of system Internal Component Leak Pump Failure 	<ul style="list-style-type: none"> Fill Tank Remove Tank and Re-apply Prime System for 5 to 10 seconds after replacing tank Charge to Full battery Remove Nozzle Tip to check if any residual or contaminant is blocking Replace check valve if missing Call Customer Care
Nozzle Tip leaking or dribbling	<ul style="list-style-type: none"> Remove tank when system not in use. Nozzle Extension & Tip are not lined up or check valve is not seated correctly 	Verify the nozzle tip is hand tightened in place
System turns on and off automatically	<ul style="list-style-type: none"> Trigger button failure Main electrical componets have been exposed to liquid/moisture 	Call Customer Care

SUPPORT OR REPAIR

If your system fails to return to normal use, excluding obvious user damage, please contact EMist or your authorized EMist distributor.

If an issue occurs that is not addressed in the troubleshooting methods, please contact an EMist Customer Care representative at: 888.534.7001 or visit Emist.com to fill out a request for a warranty or repair form.

The EPIX360™ is designed and manufactured to function without defects. The system will operate normally with properly maintained batteries and without abuse to any parts of the system.